Cal/EPA
California Environmental Protection Agency

Air Resources Board
P.O. Box 2815
2020 L Street
Sacramento, CA
95812-2815

Pete Wilson
Governor

James M. Strock
Secretary for Environmental Protection

July 15, 1996

Donald L. Leininger, P.E.
Technical Liaison Manager
OPW Fueling Components
P.O. Box 405003
Cincinnati, OH 45240

#96-18

Dear Mr. Leininger:

Approval of OPW Model 66CAS Inverted Coaxial Breakaway With Vapor Valve

You requested California Air Resources Board (CARB) certification of the OPW Model 66CAS Inverted Coaxial Breakaway with vapor valve on November 28, 1995. The Model 66CAS breakaway is intended for use with gasoline dispensing devices having vapor recovery capabilities. It is used between two hose assemblies to safeguard against excessive pull force on the hose assembly and dispenser.

The OPW Model 66CAS breakaway consists of an outer fuel carrying assembly and an inner vapor carrying assembly. The unit consists of a rigid two piece non-swiveling assembly with vapor and fluid check valves in the section attached to the hose from the dispenser. The section closest to the nozzle contains a fluid check valve only. The fuel check valves are maintained open when coupled by the annular bodies of the two components. The vapor valve is maintained open when coupled by a push rod which holds open a spring actuated Viton ball. The coupled assembly is held together by a spring/groove assembly. An annular stainless steel spring is fitted in a machined groove in the female assembly. When coupled, the spring fits into a corresponding machined groove in the male assembly. The coupled halves are designed to separate when subjected to a pull force not exceeding 300 pounds, thus relieving the pull forces on the dispenser and hose assemblies.

The model 66CAS breakaway is intended for use with gasoline dispensing devices having inverted coaxial vapor recovery capabilities and working pressures not exceeding 50 (psi). The unit shall be installed in conformity with the manufacturer's instructions and all applicable codes and ordinances. As required by the California State Fire Marshal (CSFM), the listee's name, model number,

ETL Mark, and maximum separation force shall be provided on the coupling body.

As required by CARB certification procedures, you requested the approval of the Division of Occupational Safety and Health, the Office of the State Fire Marshal, and the Department of Agriculture, Division of Measurement Standards. The necessary approvals have been obtained from these agencies.

I find that the use of the Model 66CAS inverted coaxial breakaway, when installed in accordance with the manufacturer's instructions and the conditions listed above, will not adversely affect the performance of vapor recovery systems on which it is installed. Therefore, the OPW Model 66CAS inverted coaxial breakaway assembly with vapor check valve is certified for use with CARB certified Phase II vapor recovery systems that incorporate inverted coaxial hoses.

If you have any questions or wish to discuss this matter further, please call Paul Thalken at (916) 445-0383 or Laura McKinney at (916) 327-1525.

Sincerely,

James J. Morgester, Chief
Compliance Division

cc: Mr. Jim Johnston, Chairman,
CAPCOA Vapor Recovery Committee

Mr. Gary Hunter, Manager,
CARB Compliance Assistance Section